

COMPANY	ACTIVITIES
Air Products	Creative, kid-friendly demonstrations of liquid nitrogen in various business applications from aerospace to food preservations along with discussions about the effects of liquid nitrogen.
Advance Integration Technologies (AIT): Racecar Simulator & Etching Machine	Test drive a race car in the AIT simulator and see an etching machine demonstrate laser engraving on pet identification tag. CAD laptops will display the design of systems manufactured by AIT. The fictional systems illustrates test of gas delivery systems, calibration and quality requirements.
Akimel A-al Middle School “How Dense Are You?”	Visitors will sort a number of blocks of different materials from lowest to highest density and then try to predict which one is most like the density of a typical human. Visitors will also build hydrometers so they can compare the densities of liquids.
Arizona Connections Academy	Experiments consisting of a Floating Egg, Salt Water Density Straw and Money Under the Bottle.
Arizona SciTech Festival	Colorful displays representing the Arizona SciTech Festival including demonstrations of solar activities; workbook giveaways and prizes for event attendance; distribution of SciTech Festival collateral and Schedules of Events.
Arizona Virtual Academy - Insight Academy	Check out a germination station! This booth will demonstrate the process of how germs are spread, along with various science interaction activities.
Arizona State University (ASU): College of Technology and Innovation	At ASU’s College of Technology and Innovation (CTI), we believe the best way for students to learn real skills is to dive right in and make something! Stop by the CTI booth, and we will provide various hands-on activities for all ages.
Arizona State University (ASU): Mary Lou Fulton Teachers College	Info about ASU’s Masters in Secondary Education Teacher Certification Program which is awarding a \$23,000 living wage stipend those interested in teaching science.
Basis Chandler	Multiple student displays involving Chemistry, Physics, Medicine, Health Science, Environmental Science, Mathematical Science and Behavioral Science.
Bonded Logic - Phoenix Fibers - United Fibers	<p>Bonded Logic – A showcase wall of Ultra-Touch Recycled Denim Insulation, including a video that shows how Bonded Logic uses the recycled textiles (that Phoenix Fibers processes) to manufacture products.</p> <p>Phoenix Fibers – An illustration board explaining what happens to textiles that are placed into recycling bins.</p> <p>United Fibers – Play “recycle toss” to highlight which items should be placed into the blue recycling bins.</p>
Center for Native & Urban Wildlife: Scottsdale Community College	Two aquariums with harmless native desert wildlife such as a chuckwalla, native lizard, and box turtle. Also pick up environmental education materials and postcards.
Chandler Gilbert Community College	Hands on activities for kids.
Chandler Gilbert Community College: Linemen	See how line workers do their job. CGCC students will demonstrate the pole climbing, cables & transformer that are used in the lineman work.
Chandler Unified School District	Basha High School “Science is Fun” and Knox Gifted Academy students engage children and adults in science demonstrations and hand on experiments.

City of Chandler - Economic Development	Economic Development hosts the Chandler Science Spectacular and will provide general information for the festival and answer questions about the day’s event.
City of Chandler - Fire Department	Check out visual & verbal presentations on fire science, fire department operations, technological equipment, and hazardous chemical identification.
City of Chandler - Downtown Library	Technology is changing how people use the library. Learn about Zinio for Libraries, with more than 500 multi-language magazines. Use library iPads and eReaders to learn how to access eBooks, databases, Freegal, and BookMyne.
City of Chandler – Municipal Airport	Discover the world of aviation through a series of full-size and model scale displays in addition to hands on "how stuff works" experiences.
City of Chandler - Police Department Crime Prevention	Children ages 3 to 14 will learn about the science of fingerprinting in hands on activities.
City of Chandler - Police Department Forensic Services	An interactive mock crime scene along with a static display.
City of Chandler - Tumbleweed Rec. Center	Tumbleweed Recreation Center brochures, programming flyers, and promo items.
College Savings Bank: “PB&J”	Children will learn how to read computer code and then write a four line code to make a peanut butter and jelly sandwich.
Dignity Kids Inc.: Sport Science of Martial Arts	Attempt to break plastic boards in order to feel the power of changing acceleration or changing mass. See how applied physics creates the explosive power of the martial artist.
East Valley Institute of Technology (EVIT)	A visible running glass engine to teach internal combustion.
Food Vender: CaSnowie	Various flavors of shaved ice.
Food Vender: Chandler BBQ CO.	A choice of pork, beef or chicken slider sandwiches in addition to hot dogs, potato salad, cowboy beans and drinks.
Food Vender: Burgers Amore	A mixture of American, Mexican, Italian and deli entrees, salads and daily specials, including a large variety of beverages and snacks
GameTruck * Available from 1:00 – 4:00 p.m. Only	Video games with the option of traveling through solar system with GameTruck spaceship.
GangPlank	Various electronics illustrating 3D printing among other things.
Garmin	A static flight simulator that is comprised of several Garmin displays and controllers.
Gimnasio Campestre Marie Curie Guest Student Projects, Bogotá Colombia	Eleven students from Bogotá, Colombia will display exhibits created in Colombia, including: Movement with Water, Animals en Route of Extinction, Photographs of the City of Bogotá Colombia, and Colombian Art projects. The students will explain how they acquired, compared and checked the data.
Intel	Two robot kits on display along with a monitor to showcase the robots’ capability.
MJS Designs	Two table top displays showing examples of high technology custom electronics. Also, interactive electronics, such as a programmable LED cube.

Orbital Science Launch Systems Group

* hourly presentation

See how centripetal force works by placing a nut/washer in a balloon, blowing it up, holding it in your hand and rotating your wrist.

Wind tunnel demonstration with fans pointed at each other. Kids will make a paper airplane and lay it on the air stream. If it has a level flight surface, it will sit on top of the airstream.

Paragon Science Academy

A robotics competition, smoke ring cannon with paper cups and various dry ice activities.

Primavera Online High School

Kids will make their own flubber and personal lava lamps to learn about out oil and water.

Quantum Helicopters

Quantum’s R-44 helicopter will be on display, showcasing the various parts and functions of a helicopter.

Rocky Mountain Tech, LLC and Vector 3D

Input data into a computer and have a laser system etch it onto an ID tag. 3D Printer system will be making a part throughout the day.

Serious Integrated, Inc.

Mechanical samples and demonstration of Serious LCD modules in addition to PC-based demos of the Serious Human Interface Platform software.

Sí Se Puede:
Lego and Underwater Robots
Student demos

The NURC bot (underwater) is similar to a giant diving bell. When it descends, the black box traps air around the electronics, a water sensor senses the rise of the water due to the compression of the air and pumps in more air to keep the water down. The team’s Lego robot is a programmable robot that can be programmed to complete different missions.

Sun Valley Solar Solutions

A working solar panel display to explain how solar electricity works by powering a laptop. Also, a solar bead challenge.

TechShop

TechShop will demonstrate 3D printing explain the TechShop amenities located at the Chandler Innovation Center.

TechShop Open House
249 East Chicago Street
Chandler, AZ 85225

Tour TechShop, a membership based do-it-yourself workshop that provides the tools, equipment, training and a vibrant, supportive community of creative people and staff to help Makers bring ideas to life.

US Army 30 Ton Tractor Trailer

The US Army’s AS3 is a 60ft, 30-ton tractor and trailer asset is a self-contained mobile aviation exhibit and simulation system. It includes the AH 64 Helicopter Flight Simulator, OH 58 Helicopter Flight Simulator, and the Unmanned Aerial Vehicle Flight Simulator. In addition, AS3 comes with various multi-media systems: 2x Immersa Domes, 3x touch screen and Air Warrior & Weapons Displays.

XploreBoX

XploreBoX will showcase samples of a rubber band propelled airplane, planetarium, rocket, and solar robot. Kids can test BristleBots and pick up informational flyers regarding the Xplore BoX service.